

## SYSTEM AND METHOD FOR THE EXCHANGE OF LOCATION INFORMATION IN A TELEPHONE NETWORK

### ABSTRACT OF THE INVENTION

5       A wireless communications system is presented where a mobile station is able to automatically determine its proximity to a second mobile station or landline telephone. Once the proximity determination command has been given, no further actions are required by the users of either telephone. A GPS receiver connected to the first mobile station is  
10      able to provide that mobile with its position and direction. The first mobile station makes a request to the other telephone for its position, through SMS messaging for example. A GPS receiver connected to the second mobile station is able to provide the second mobile station with data to enable the position request. Trust determinations can be enabled  
15      so that position data is sent to a restricted list of requesting telephone numbers. Likewise, the second mobile station can request position data from the first mobile station. When position information is requested from a landline telephone, the request can be fulfilled by the landline telephone service provider. A method for automatically exchanging  
20      position information is also provided.